

12-20-1973

# Clemson Commencement Program, December 1973

Clemson University

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# CLEMSON UNIVERSITY

Graduation Exercises

December 20, 1973

Clemson, South Carolina

# GRADUATION

Thursday, December 20, 1973

11:15 A. M. Littlejohn Coliseum

## ORDER OF EXERCISES

(Audience will please stand as faculty and candidates march in  
and remain standing for the Invocation)

### Invocation

The Reverend W. Eugene Copenhaver  
Pastor, University Lutheran Church  
Clemson, South Carolina

### Conferring of Degrees and Delivery of Diplomas

President Robert C. Edwards

### Benediction

James W. Sutherland, Organist



# CANDIDATES FOR ASSOCIATE AND BACHELORS' DEGREES

## COLLEGE OF AGRICULTURAL SCIENCES

*Luther Perdee Anderson, Dean*

### BACHELOR OF SCIENCE

#### Agronomy

*Daryl Roger Critchlow	Halsey, Oregon	Broadus Patterson Lamb, Jr.	Callison
Wayne Fulton Hill, Jr.	Timmons ville	Ernest Lyle Locke	Rock Hill
Sidney Hamilton Hughes	Blenheim	Steven Lamar Long	Clemson

#### Animal Science

Evin Joan Evans	Greenville	Michael Ervin Lane	Kingstree
James Frank Gilreath, Jr.	Travelers Rest	Thomas Belton Laney, Jr.	Cheraw
Mason Leroy Harris, Jr.	Charleston Heights	*John David Ohlandt, Jr.	Charleston
William Melvin Harris, Jr.	Chester	**John William Snyder	Delray Beach, Fla.
Thomas Holmes Herlong	Johnston	Phil Erwin Wood	Woodruff

#### Dairy Science

\*Joel Clinton Riley Saluda

#### Horticulture

Edward Young Murphy	Edgemoor	Fred Morgan Robinette	Pacolet
Shirley Brooks Parler	Myrtle Beach	***Judith Elizabeth Sheppard	Liberty

## COLLEGE OF ARCHITECTURE

*Harlan Ewart McClure, Dean*

### BACHELOR OF ARTS

#### Pre-Architecture

Thomas Clayton Anders, Jr.	Cleveland	Robert Tad Silance	Florham Park, N. J.
Henry Elbert Avent, Jr.	Bennettsville	James Christian Slater	Washington, D. C.
Bradford Lee Bauss	Portland, Conn.		

### BACHELOR OF SCIENCE

#### Building Construction

Calvin Randolph Barnette	Pendleton	Sanford Paul Turner	Anderson
James Harold Edgerly	Gatlinburg, Tenn.		

### BACHELOR OF ARCHITECTURE

Charles Henry Clinchard Guayama, P. R.

## COLLEGE OF EDUCATION

*Harold Fochone Landrith, Dean*

### BACHELOR OF ARTS

#### Early Childhood Education

Ann Elizabeth Barnes	Walterboro	Jeannie Rogers Sasser	Dillon
Doris Davis Brannock	Greenville		



### Elementary Education

Elizabeth Ann Benjamin	Greenville	*Jan Melia Owens	Greenville
Pamela DeFanti Bowen	Camden	Katherine Finley Parnell	Ware Shoals
Claudia Gail Bowers	Greenville	Deborah Susan Polson	Marion
*Judy Vearl Bryson	Taylors	***Elaine Burgess Pullen	Kingstree
Doris Wilson Clayton	Laurens	Doris Jane Reynolds	Slater
**Bonnie Lee Cooke	Greenville	Thomas Mell Richardson, Jr.	Good Hope, Ga.
Martha Katherine Crain	Greenville	*Marjorie Lynn Salter	Ft. Lauderdale, Fla.
Deborah Skinner Cumbie	Clemson	Kelli Anne Sanborn	Greenville
*Barbara Anne Drake	Anderson	*Arleatha Smith Sartain	Easley
Elizabeth Gregg Hamilton	Easley	Jerrilu Kirk Smith	Easley
Mary Elizabeth Harris	McCormick	Donna Yvonne Spainhour	
Pamela Caroline Hitt	Liberty		North Myrtle Beach
Diane Walters Ivey	Decatur, Ga.	Lois Henson Stokes	Campobello
**Judy Mason Keaton	Anderson	Kay Coleman Thompson	Hopkins
*Deborah Mulkey Long	Monroe, Ga.	***Patricia Corrinne Vaughn	Great Falls
Margaret Martin Nelson	DeLand, Fla.	**Nancy Kathleen Watkins	Greenwood
*Anita Wilson Newton	Clemson		

### Secondary Education

Ronald Paul Addis	Seneca	John Blakely Hughes, Jr.	Rock Hill
*Alice Morley Beckish	Wichita, Kan.	**Faye Balentine Jones	Simpsonville
David Franklin Boothe	Greenville	*James Edward Loftis, Jr.	Spartanburg
Katheryn Elizabeth Craven	Florence	*Carol Jean McCown	Anderson
Glenn Elliott Davis	Rock Hill	*Rebecca Jean McKinney	Greenville
Pamela Ruth Dulin	Columbia	**Corrie Scott Morrow	Greenville
Kathy Myers Foster	Clemson	Wade Thomas Oxendine	Dalzell
Carl Robert Garrison	Easley	*Nancy Elaine Pace	Pickens
Allen Russell Gerhardt	Baltimore, Md.	*Dorothy Jean Dennis Priddy	Greenville
Larry Alan Greene	Newberry	*Robert Patrick Snoddy	Greenville

### BACHELOR OF SCIENCE

#### Agricultural Education

(Agricultural Education is jointly administered by the College of Agricultural Sciences and the College of Education.)

Hugh Mitchell Bland	Edgefield	John Owen Weathers	Bowman
Douglas Royce Shannon	Chester	Walter Joseph Wilson	Calhoun Falls

#### Industrial Education

Lindsey Wingard Addy, Jr.	Lexington	James Albert McMillan III	Bamberg
Tony Dean Anderson	Anderson	William Ernest Parker	Maplewood, N. J.
Robert Dee Barrier	Lexington	Michael Bonham Rector	Greer
William Lee Barrier	Lexington	Joe Mac Skinner	Gaffney
Andrew Hoyt Coleman	Lake City	Lawrence Glenn Sobczyk	Clemson
Malcolm Dennis Faulkenberry	Kershaw	*Thomas Lee Webb	Columbia
Thomas O'Neil Harrelson	Georgetown	Keith Elden Whatley	Greenville

#### Science Teaching

*Shirley Louise Barnes	Brunson	James Richard Gaines	Central
Steven Otway Burns	Jacksonville, Fla.	Raymond James Hester, Jr.	West Pelzer
George Force Chamberlain, Jr.		Gregory Calvin Johnston	Clemson
	Pompton Plains, N. J.		

## COLLEGE OF ENGINEERING

*Lyle Chester Wilcox, Dean*

### BACHELOR OF SCIENCE

#### Chemical Engineering

Roger Kenneth Abrams	Seattle, Wash.	*Gilbert Chase Robinson, Jr.	Clemson
*Nabeel Fouad Kammoun	Tripoli, Lebanon		



### Civil Engineering

Erik Fred Anderson .....	Spartanburg	*Clarence Johnson Fennell .....	Estill
Donald Ray Crowder .....	Kinards	Zollie Cecil Green .....	Turbeville
Earl Robertson Dearhart .....	Greenville	James Edward Noffz, Jr. ....	Cross Hill
James Joseph Dillon .....	Babylon, N. Y.	*Richard Carroll Pennock .....	Atlanta, Ga.
*Donald Lee Feather .....	Elnora, N. Y.	*George William Scott .....	Sumter

### Electrical Engineering

*Patrick Thoman Apperson ....	Summerville	*Joachim Hans Peter Ludwig ...	Greenwood
Stanley David Coleman, Jr. ....	Conway	Frank Horace Nix .....	Easley
*Henry Boyd Coulter .....	Rising Sun, Md.	David Whitley Sheppard ....	Hollywood, Fla.
Victor Stephen Fleishel .....	DeLand, Fla.	Ronald Stephan Waters ....	Hephzibah, Ga.
Thomas Cruikshank Hill III ..	Salisbury, Md.	Arthur Archie Woo, Jr. ....	Greenville

### Engineering Analysis

George Leon Clark .....	Spartanburg	Wilton Joel Gossett .....	Calhoun, Ga.
Charles Horace Craig .....	Pickens	*Karen Susan Kelly .....	Florence

### Engineering Technology

James Gerald Aswell .....	Union, N. J.	Thomas Mitchell Rose ....	Jekyll Island, Ga.
James David Caldwell .....	Campobello	Walter George Smith .....	Anderson
John Michael Hames .....	Chesnee	Cromwell W. Swygert III .....	Lexington
*Emmett Blackshear Peter III ..	Leesburg, Fla.	Charles William Wilson, Jr. ....	Union

### Mechanical Engineering

Alvin Maxcy Carter .....	Columbia	*Thomas Keith Raines .....	Landrum
Philemon Kennard Croft .....	Greenville	Robert Lee Scarborough ..	Belle Haven, Va.
Donald Henderson Fraser, Jr. ...	Walterboro	Floyd Stephen Simpson .....	Greenville
Donald Joseph Koser, Jr. ....		James Boyd Sparrow .....	Hartsville
.....	Mechanicsburg, Penn.	Ernest Louis Stelling, Jr. ....	Charleston
Ronald William Myers .....	Charleston	Terry Dan Varner .....	Simpsonville
Kenneth Albert Newton .....	Duncan		

## COLLEGE OF FOREST AND RECREATION RESOURCES

*William Henry Davis McGregor, Dean*

### BACHELOR OF SCIENCE

#### Forestry

*Louis Emile Brossy, Jr. ....	Newberry	John Charles Ramsey .....	Monticello
*Mark Sidney Dymkoski .....	Central	Thomas Robert White .....	Winnsboro
John Rawlinson Pagett .....	Hopkins		

#### Recreation and Park Administration

Lyndon Kerry Ashworth .....	Brevard, N. C.	Robert Wailes Gray .....	Easley
Alan Lee Bolick .....	Ringgold, Ga.	Francis Joseph Greene III ...	Mt. Pleasant
William Robert Bolick .....		Thomas Richard Hood .....	Charleston
.....	Erlensee, West Germany	Edwin Barksdale Jackson .....	Batesburg
Wayne David Carroll .....	Greenville	Joseph Bruno Penale ....	Niagara Falls, N. Y.
Joel McGee Copeland .....	Honea Path	*Irvin Anthony Player .....	Sumter
*George Herefield Dickinson III ..		Frank Raymond Romero .....	Delair, N. J.
.....	Chapel Hill, N. C.	Marianna Byrd Street .....	Branchville
*William Davis Fralick .....	Bamberg	*Thomas McDonald Sturtevant ...	Columbia
Gerard Anthony Gaeta ....	Livingston, N. J.	Earl Hazwell Wooten, Jr. ....	Williamston

## COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

*Wallace Dabney Trevillian, Dean*

### BACHELOR OF ARTS

#### Arts and Sciences

Andrew Mattison Carter .....	Greenville	William Henry Lloyd, Jr. ....	Lydia
Samuel McGarthy Frazer III .....	Chester	Ronny Lee Lowder .....	Sumter
Donald Eugene Hart ....	Winston-Salem, N. C.	*Marilyn Jeanne Waters ...	Greensboro, N. C.
Charles Merritt Holmes .....	North Charleston		



## BACHELOR OF SCIENCE

### Accounting

Thomas Edmund Goodson	Hartsville	Allen Bryant Shelley	St. George
*Martha Louise Hatcher	Clemson	Thomas Allen Summerford	Florence

### Administrative Management

Thomas Ray Bryan, Jr.	Greenwood	Lucas Lytle Nichol, Jr.	Griffin, Ga.
Johnny David Chandler	Central	William Bryan Scruggs	Chesnee
Thomas James Hinchman	Myrtle Beach	Michael Francis Storen	Charleston
Michael Charles Imperiale	Metuchen, N. J.	Mark Steadman Stoudenmire	Pendleton
*Robert Alan Johnson	Columbia	Henry Malcolm Stuckey	Orangeburg
Charles Daniel Jones	Bishopville	Eugene Francis Sweeney, Jr.	Bennettville
Stephen Walker Jones	Camden	Charlie Tony Young	Bradley
Curtis Michael Moss	Cameron		

### Financial Management

James Ely Cornwell	Charlotte, N. C.	John Drayton Hopkins, Jr.	Simpsonville
Larry Mitchell Crawford	Clemson	Tony Horace Lee	Anderson
Tommy Randall Feagin	Bonneau	David Richard Murray	Greenville
Richard Stanley Galloway	Greenville	Franklin Andrew Parnell	Anderson

### Industrial Management

Tony Ansel Adams	Seneca	Lewis Arnold Knight	Lancaster
Dennis Jerome Arwood	Spartanburg	Harold Pettit Langford	Columbia
Richard Stephen Balentine	Greenville	John Alan Rhodes	Franklin Lakes, N. J.
Douglas Terry Carter	Harlem, Ga.	William Donnan Robinson	Clinton
John Burdine Cooper	Greenville	Joseph Anthony Salerni	North Charleston
David Vernon DeHart, Jr.	Anderson	James Alan Slabaugh	Lexington, Ky.
Michael Anthony Green	Charlotte, N. C.	Walton Graham Snow	Orlando, Fla.
John Robert Hollingsworth, Jr.	Anderson	John Sanford Sprouse, Jr.	Roanoke, Ala.

### Textile Chemistry

\*Alex Sandra Carmichael Hyder --- Anderson

### Textile Science

\*Kang-Min Huang --- Taipei, Taiwan

### Textile Technology

Charles Lawrence Huntley --- Greenwood

## COLLEGE OF LIBERAL ARTS

*Headley Morris Cox, Dean*

### BACHELOR OF ARTS

*Joyce Hartley Adkins	Clemson	Robert Meyer Hollings, Jr.	Charleston
Robert David Archer	Summerville	*Merrie Marbeth Huff	Columbia
Charles Raymond Black	Westminster	Matthew Richard Jagusak	Cranford, N. J.
Noah Benjamin Bolt	Anderson	Vivian Elaine Johnson	Anderson
**Catherine Elaine Bonner	Charleston	Douglass Melville Keiper	Shrewsbury, N. J.
Diane Oswald Bosler	Allendale	James Maxwell King	Hartsville
Charles Halbert Browne		Marita Elizabeth Kuhn	Kenilworth, N. J.
	Hickam A.F.B., Hawaii	John Robert Mauney	Charleston
Thomas Jeffrey Burch	Clemson	**Brenda Joyce Medlin	Summerville
*Amy Irene Bynum	Mountain Rest	Floyd Simpson Mills, Jr.	Newberry
Georgia Ann Callahan	Millville, N. J.	John Michael Padgett	Camden
Vernon Keith Callicutt	Chester	James Phillip Pearson	Greenville
Allison William Cooner	Johnston	Robert Dean Pursley	Rock Hill
James Arthur Cox	Lexington, Ky.	Bruce Wayne Rice	
Rhonda Kay Crowe	Liberty		Spring Lake Heights, N. J.
Thomas Mitchell Davidson	Chesterfield	Charles Gray Taylor	Greenville
William Bert Finney II	Liberty	*Peggy Jane Traynham	Honea Path
Sheila Wynne Fletcher	Williston	*Lisa Anne Wilcox	Elkton, Md.
Jay Wesley Goodman, Jr.	Charleston	*Mary Margaret Wilkes	Columbia



## COLLEGE OF NURSING

*Geraldine Labecki, Dean*

### ASSOCIATE IN ARTS

#### Nursing

Kathy Jo Burton ..... Calhoun Falls      Marilyn Lee Sharpe ..... Due West

### BACHELOR OF SCIENCE

#### Nursing

Maxine Carrol Roberts Ragin ..... Gaffney

## COLLEGE OF PHYSICAL, MATHEMATICAL, AND BIOLOGICAL SCIENCES

*Henry Elliott Vogel, Dean*

### BACHELOR OF ARTS

#### Arts and Sciences

Daniel Allen Key ..... Spartanburg      Harrison Duster Snow .. New Canaan, Conn.  
Freddy Ray Richardson ..... Galivants Ferry      \*\*Douglas Albert Wolfe ..... Inman

### BACHELOR OF SCIENCE

#### Botany

\*\*Sara Louise Leslie ..... Clemson

#### Mathematics

\*William Keith Gibson ..... Saluda      Ronald Edman Rice, Jr. ..... Anderson  
Richard Roy Kirk ..... Greenville

#### Microbiology

Charles Edward Beaman ..... Greenville      Herbert Gray Pregnall ..... Denmark  
Joe Hartman Cooley ..... Prestonsburg, Ky.      Paul Andrew Seesman ..... Rockville, Md.  
\*\*\*Barbara Ellen Hill ..... Clemson      Nitin Harshadray Thaker .. Ahmedabad, India

#### Pre-Medicine

Ronald Anson Berry ..... Sumter      \*Richard Lane McDaniel ..... Leesville  
Dallas Franklin Brown ..... Belton      Hubert Norman Smith, Jr. ..... Anderson  
Monroe Stephen Busch ..... Rowesville      \*Rodney Ramon Tucker ..... Charleston  
\*Thomas Conrad Gilliam ..... Aiken      \*Steven Oramel Young ..... Seneca  
\*\*Larry Louis Magglore ..... Hollywood, Fla.

#### Zoology

Luke Davis Baxley ..... Hartsville      \*William Larry Matthews ..... Hanahan  
Marilynn Diana Blair ..... Greenville      Charles Lewis McCord, Jr. ..... Manning  
Edward Henry Booker ..... Walhalla      Ben Tillman Pruitt, Jr. ..... Williamston  
Danny Keith Bradley ..... Lugoff      Stephen Louis Strieter ..... College Park, Md.  
Richard Scott Denton, Jr. ..... Rock Hill      Edgar Eugene Trussell ..... Walterboro  
Willard Eugene Hayes ..... Greenville      Lorraine Walker Young ..... Camden

\*With honor

\*\*With high honor

\*\*\*With highest honor



# CANDIDATES FOR MASTERS' DEGREES

*Arnold Edward Schwartz, Dean, Graduate School*

## COLLEGE OF AGRICULTURAL SCIENCES

### MASTER OF AGRICULTURE

Eben Dudley Godbold	Florence	John Gordon Strickland	Bailey, N. C.
Curtis Leslie Hobbs, Jr.	Lynchburg	Gary Michael Watkins	Lamar

### MASTER OF NUTRITIONAL SCIENCE

Darina Kuklish Neel	Beaufort
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### MASTER OF SCIENCE

#### Wildlife Biology

Edmund Carlton Aldridge III	North Augusta
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## COLLEGE OF ARCHITECTURE

### MASTER OF ARCHITECTURE

John Michael Currie	Arlington, Va.	Frank Wilson Spencer III	Savannah, Ga.
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## COLLEGE OF EDUCATION

### MASTER OF AGRICULTURAL EDUCATION

(Agricultural Education is jointly administered by the College of Agricultural Sciences and the College of Education.)

George Paul Jones, Jr.	Roebuck	Barron Robert Simms	Clemson
Donald Christopher Lovette	Fair Bluff, N. C.	Kenneth Gowan Southerlin	Greer
Calvin Thompson Robertson	Blacksburg		

### MASTER OF EDUCATION

Martha Ann Adams	Alamo, Ga.	Asilee Capell Looper	Greenville
Thomas Lee Allen	Seneca	Judy Shaw Lusk	Honea Path
Carroll Franklin Anthony	Pickens	Margaret Ann Lyerly	Florence
Rose Godwin Arant	Gainesville, Ga.	Henry Howard Madden	Calhoun Falls
Mary Wilson Arrowood	Greenville	June Dodd Martin	Anderson
Lucile Fisher Black	Due West	Margaret Shaw McClain	Honea Path
Gwendolyn Gaillard Bolt	Williamston	Sammy Lee McDowell	Laurens
Kathleen Kay Campbell	Honea Path	Ernest Eugene Mills	Greenville
Martha Ellen Cleveland	Marietta	Thomas Luther Murphy	Savannah, Ga.
Betty Jo Cox	Townville	Aubrey Walker Parker, Jr.	Dillon
Susan White Cox	Pamplico	Patsy Ashley Parker	Honea Path
Barbara Walters Crunkleton	Clinton	Nancy Tilson Pate	Round O
Mary Elizabeth DeWitt	Greenville	Margaret Fountain Paylor	Greenville
Karen Coogler Dobson	Greenville	Wade Cooper Jimmie Pearson	Greer
Johnnie Muldrow McLeod Edwards		Tenne Ann Petty	Memphis, Tenn.
	Anderson	Mary Jo Ramage	Greenville
Gracie Maria Floyd	Belton	Marie Palmer Ruhland	Townville
Gay Timmerman Free	Greenwood	Vicki Culbreth Sain	Due West
Darrell Henry Garber	Scottsburg, Va.	Bruce Eugene Smith	Walhalla
Frances Lawson Godfrey	Greenville	Mary Lucile Stranch	Greenwood
Robert Charles Godfrey	Orangeburg	William Bernard Swinger	Anderson
Tiney Irene Hamer	Little Rock	Margaret Etheridge Turner	Greenville
Marguerite Jones Hendrix	Taylors	Shirley Vivian Vandiver	North Charleston
Deborah Buckner Herin	Greenwood	Ann Wainwright Warren	Easley
Marcia Creel Jensen	Florence	Mildred Ellen Watson	Greenville
Joanne Graham Jumper	Pacolet Mills	Jane Boland Wham	Clinton
Gloria Brodie King	Clinton	Carol Jean Wynn	Easley
Charles Ernest Layton	Newberry		



### MASTER OF INDUSTRIAL EDUCATION

Donald Gilbert Austin ----- Mercersburg, Pa.      Lewis Albert Jordan ----- Myrtle Beach  
Joseph Stephen Hunter ----- Clemson      Barney Franklin Pepper II ----- Walhalla

## COLLEGE OF ENGINEERING

### MASTER OF ENGINEERING

Heath Persons Dobson ----- Greer      Pamela Amanda Koester ----- Andover, Mass.  
James Donovan Dukes ----- Orangeburg      Henry Floyd Weathers, Jr. ----- Fountain Inn

### MASTER OF SCIENCE

#### Bioengineering

Keith William Greer ----- Boone, N. C.      George Terry McAmish ----- Greenwood

#### Ceramic Engineering

Lynn Brian Starling ----- Lakeland, Fla.

#### Chemical Engineering

Barry Louis Ornitz ----- Seneca      Ahmet Mazhar Yazar  
----- Karsiyaka, Izmir, Turkey

#### Civil Engineering

Harvey Raymond Mathias ----- West Columbia

#### Electrical Engineering

Alan Edward Cowart ----- Charleston      Chen-Liang Hsieh ----- Chica-I, Taiwan  
Rainer Heller ----- Clemson      Gary Dean Youell ----- Seaford, Del.

#### Environmental Systems Engineering

Charles Raymond Carter ----- Seneca      George Raymond Kreigsman ----- Eustis, Fla.  
Delno Rex Gleason ----- Anderson      Marion Richardson Rembert, Jr. ----- Sumter

#### Mechanical Engineering

Shankar Narayan ----- Bamrauli, Allahabad, India

#### Systems Engineering

Calvin Tycho Howle ----- Lancaster

#### Water Resources Engineering

Frank James Swit ----- Massapequa, N. Y.

## COLLEGE OF FOREST AND RECREATION RESOURCES

### MASTER OF RECREATION AND PARK ADMINISTRATION

Anne Gibson Corcoran ----- Wallace, N. C.      Nicholas Fletcher III ----- Charlotte, N. C.  
Oscar Richard Cothran III ----- Piedmont

## COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

### MASTER OF SCIENCE

#### Management

Gordon LaVelle Brown, Jr. --- Charlotte, N. C.      David Leroy Scull ----- Jersey City, N. J.



## COLLEGE OF LIBERAL ARTS

### MASTER OF ARTS

#### English

Carolyn Louise Harrison ----- Largo, Fla.      James Barry Veitenheimer --- Annapolis, Md.  
Carolyn Tuten Ross ----- Seneca

## COLLEGE OF PHYSICAL, MATHEMATICAL, AND BIOLOGICAL SCIENCES

### MASTER OF SCIENCE

#### Biochemistry

Jim Thomas Long, Jr. ----- Clemson

#### Chemistry

Oya Yazar --- Mecidiyekoy, Istanbul, Turkey

#### Mathematics

Elaine Karen Campbell -- Donaldsonville, La.      Cynthia Ann Sikes ----- Brunswick, Ga.  
Steven Epps, Jr. ----- Chester      Nita Mary Hanlon Wilkinson  
Eleanor O'Meara Hare ----- Clemson      ----- West Palm Beach, Fla.  
Joseph Dean Price ----- Adairsville, Ga.



# CANDIDATES FOR DOCTORS' DEGREES

*Arnold Edward Schwartz, Dean, Graduate School*

## COLLEGE OF AGRICULTURAL SCIENCES

### DOCTOR OF PHILOSOPHY

#### Animal Physiology

Leonard Einar Lundquist ..... Derry, Penn.

B.S., M.S., University of South Carolina

Dissertation: Studies on Bovine Luteal Cells in Monolayer Culture: I. Technique II. The Effect of PGF<sub>2a</sub> on the Progesterone Secretion Rates III. The Effect of PGF<sub>2a</sub> on the Lipid Histochemistry IV. Ultrastructural Observations of PGF<sub>2a</sub> Treated Cells

#### Agricultural Economics

Robert Martin Pope, Jr. .... Charleston

B.S., The College of Charleston

Dissertation: Effects of Price Level and Price Change upon the Domestic Use of Water over Time

#### Entomology

Von H. McCaskill ..... Clemson

B.S., Western Carolina College; M.S., Clemson University

Dissertation: The Stoneflies (Order Plecoptera) of South Carolina

John Robert Strayer ..... Gainesville, Fla.

B.S.A., MAg, University of Florida

Dissertation: Economic Threshold Studies and Sequential Sampling for Management of the Velvet-bean Caterpillar, *Anticarsia Gemmatalis* Hubner, on Soybeans

James Wyatt Todd ..... Tifton, Ga.

B.S., M.S., Auburn University

Dissertation: Effects of Damage by the Southern Green Stink Bug, *Nezara Viridula* (L.) on Yield and Quality of Soybeans

#### Nutrition

David Lewis Wicker ..... Pomaria

B.S., Clemson University

Dissertation: Early Protein Deprivation and Subsequent Reproductive Performance in Male Turkey Breeders

#### Plant Physiology

Frank Matthew Dework, Jr. .... Clifton, N. J.

B.A., Rutgers University; M.S., Clemson University

Dissertation: Growth Studies of Methane Bacteria in Continuous Culture

## COLLEGE OF ENGINEERING

### DOCTOR OF PHILOSOPHY

#### Engineering

Joseph Baber Busby ..... Aiken

B.S., The Citadel; M.S., Georgia Institute of Technology

Dissertation: Dynamic Modeling and Control Strategies for the Activated Sludge Process (Field of Specialization: Environmental Systems Engineering)

Robert Paul Carnahan ..... St. Petersburg, Fla.

B.C.E., University of Florida; M.S., University of North Carolina

Dissertation: Mathematical Modeling of Heterogeneous Sorption in Continuous Contactors for Wastewater Cecontamination (Field of Specialization: Environmental Systems Engineering)

Allen Chia-chen Chao ..... Taipei, Taiwan

B.S., M.S., National Taiwan University

Dissertation: Destabilization of Activated Sludge Suspensions with Ferric Chloride: Clarification and Thickening (Field of Specialization: Environmental Systems Engineering)



- Cecil Oates Huey, Jr. ----- Anderson  
 B.S., M.S., Clemson University  
 Dissertation: Kinematic Synthesis and Design Considerations for Cam-Link Mechanisms (Field of Specialization: Mechanical Engineering)
- Richard Alan Poduska ----- Milford, Ohio  
 B.S., M.S., Cornell University  
 Dissertation: A Dynamic Model of Nitrification for the Activated Sludge Process (Field of Specialization: Environmental Systems Engineering)
- Kenneth David Tracy ----- Erie, Pa.  
 B.S., M.S., Pennsylvania State University  
 Dissertation: Mathematical Modeling of Unsteady-State Thickening of Compressible Slurries (Field of Specialization: Environmental Systems Engineering)
- Charles Theodore Vollers III ----- Jacksonville, Fla.  
 B.S., University of Florida; M.S., Clemson University  
 Dissertation: An Analysis of the Phenomena of Drying of Fibrous Materials (Field of Specialization: Mechanical Engineering)

## COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

### DOCTOR OF PHILOSOPHY

#### Engineering Management

- Fulton Vandiver Clinkscales, Jr. ----- Greenville  
 B.S., Clemson Agricultural College; M.S., Clemson University  
 Dissertation: An Econometric Model of the South Carolina Tax Sector
- Hermogenes Moreno-Calvo ----- San Jose, Guatemala  
 B.S., Tulane University; M.S., Clemson University  
 Dissertation: Econometric Study of Demand and Supply Determinants in the U. S. Carpeting Industry

#### Textile and Polymer Science

- Mohamed Safwat Elmahdy Abdo ----- Alexandria, Egypt  
 B.S., M.S., University of Alexandria; M.S., University of South Carolina  
 Dissertation: A Thermodynamic Study of the Adsorption of Disperse Dyes on Activated Carbon

## COLLEGE OF PHYSICAL, MATHEMATICAL, AND BIOLOGICAL SCIENCES

### DOCTOR OF PHILOSOPHY

#### Chemistry

- Danny Joe Leathers ----- Spencer, Okla.  
 B.S., Central State College; M.S., New Mexico Highlands University  
 Dissertation: Use of Reagents of the Glyoxal bis (2-Hydroxyanil) Class in the Spectrophotometric Determination of Indium, Scandium, Thallium and Uranium

#### Mathematics

- Gary Lee Guthrie ----- Greenville  
 B.S., M.A., Eastern Illinois University  
 Dissertation: On Record and Inter-Record Times for a Sequence of Random Variables Defined on a Markov Chain
- Alexia Broughton Latimer ----- Greenville  
 B.S., University of South Carolina; M.A., University of North Carolina; M.S., Clemson University  
 Dissertation: Nuclear FK-Sequence and Sum Spaces
- Donald Robert Russell ----- Fountain Inn  
 B.S., M.S., Clemson University  
 Dissertation: Some Goodness-of-Fit Tests
- Danny William Turner ----- Clover  
 B.S., Clemson University  
 Dissertation: A Semi-Markov Model for a Particle in Motion on the Line